

Shouwa 13th year (1938)

Publication of Application of Utility Model Right No. 13421

Class 45, 2, Respirator

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Protective poison "mask"

Brief description of illustration: Figure 1 is vertical cross sectional drawing of this invention, Figure 2 is disassembled elevation drawing with partial cross section.

Summary of property, function and effect of the utility model right: This invention concerns a structure wherein an air intake tube (2) which is attached to a face mask (1) is compressed with a thin sheet metal, end of the tube opening is expanded to outer side and folded back to form a dish shape protruded edge (3), a fitting opening is opened in the end plate (5) of a filtration cylinder (4) and its opening fringe (6) is folded back toward inside, and the protruded edge (3) is fitted in free of mounting and dismounting; and an air intake tube (2) and an exhaust tube (7) are attached to the face mask (1), an exhaust valve (8) is attached to the exhaust tube (7), and the filtration cylinder (4) is made with many air holes (9) on the bottom plate, and is filled with a metal screen (10), filtration cotton (11) and absorbent (12) in its inside, and an end plate (5) is fixed; and the end plate (5) is punched with a fitting opening and the opening (6) is bent toward inside to have a strong spring action along with the dish shape extended folded back protruded edge (3), which slightly expands and shrinks for tight and secure fit.

As described above, this invention has an effect that filtration cylinder is free of mounting and dismounting and connected with air tight and convenient in changing of filtration cotton and absorbent in the filtration cylinder, and the filtration cylinder will not drop off during usage, according to the fitting with strong spring contraction force; because this invention is constituted to fit that an air intake tube which is attached to a face mask is compressed with a thin sheet metal, end of the tube opening is expanded to outer side and folded back to form a dish shape protruded edge, a fitting opening is opened in the end plate of a filtration cylinder and its opening fringe is folded back toward inside.

Claim: Structure of protective poison "mask" wherein an air intake tube (2) which is attached to a face mask (1) is compressed with a thin sheet metal, end of the tube opening is expanded to outer side and folded back to form a dish shape protruded edge (3), a fitting opening is opened in the end plate (5) of a filtration cylinder (4) and its opening fringe (6) is folded back toward inside, and the protruded edge (3) is fitted in free of mounting and dismounting.

Translator's note: This old Japanese document is written in old style Japanese and has no period or comma to separate sentences. This translation was made as close as possible to the original structure to preserve the original message and nuance but periods and commas were added where they should be in modern Japanese for the ease of reading. However, each sentence was not cut short. If a reader has a difficulty in understanding, please contact the translator. I will cut the sentences shorter for the ease of reading and understanding.

Figure 1

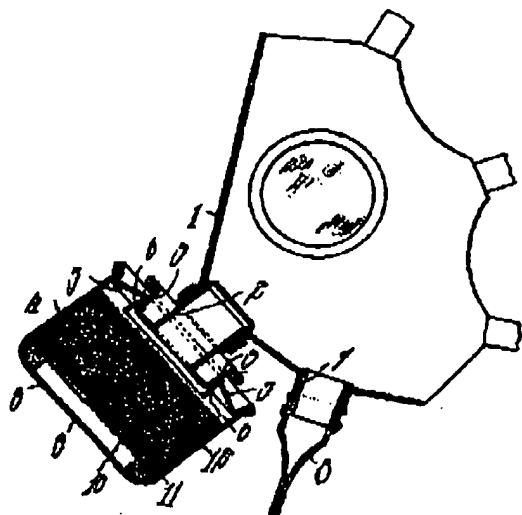
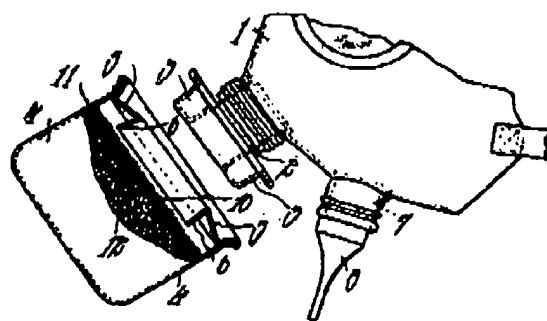


Figure 2



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昭和
十三年
新規公報
第四十五類
二、呼吸器

願書登録 昭和十二年第二九六二八號
出願 昭和十二年九月二十五日
公告 昭和十三年九月八日
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ノ構造

防毒「マスク」

圖面ノ略解 第一圖ハ本案ノ維持側面圖第二圖ハ分解側面圖ニシテ一部切缺ス

實用新案ノ性質、作用及效果ノ要領 本考案ハ図面(1)ニ取附ケタル吸氣管(2)薄キ金屬板ニテ壓迫シ管口端ヲ外側方ニ擴大シ折返シテ皿狀ノ突シテ皿狀ノ突線立ヲ形成シ漏過筒(3)ノ端板互ニ嵌入口ヲ開穿シ其ノ口線互ノ内ノ口線互ヲ内方ニ折曲シ之ニ突線立ヲ着脱自在ニ嵌合セシメタル防毒「マスク」ノ構造ニ係リ図面(1)ニハ吸氣管(2)ト排氣管(4)ヲ取附ケ排氣管(4)立ニハ嵌入口ヲ打テ抜キ口線互(2)内方ニ折曲シタルモノニシテ皿狀ノ擴大折返シ突線立ト相俟ツク強キ彈性作用ヲナシ僅カ擴開收縮シテ硬ク堅密ニ嵌着シ接續セラルモノナリ

本考案ハ以上ノ如ク裏面ニ取附ケタル吸氣管(2)薄キ金屬板ニテ壓迫シ管口端ニ形成シタノ皿狀ノ擴大折返シ突線立漏過筒ノ端板互

開穿セシ嵌入口ノ口線互内曲シテ嵌合ベク構成スルヲ以テ漏過筒ハ着脱自在ニシテ氣密的ニ接續セラレ漏過筒内ノ漏過綿及吸收剤ヲ取換フルニ便利ナリ又強キ彈性的收縮力ヨヨリ嵌着スルカ故ニ使用中漏過筒カ脱落スルコトナキ效果アリ

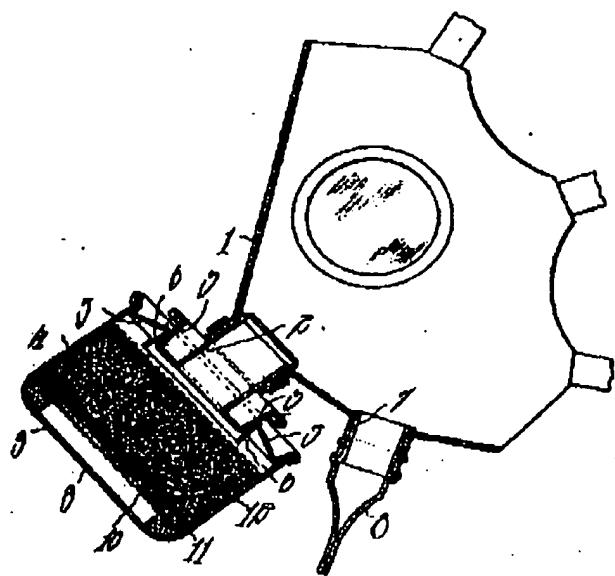
漏過筒(3)圖面ニ示ス如ク図面(1)ニ取附ケタル吸氣管(2)薄キ金屬板ニテ壓迫シ管口端ヲ外側方ニ擴大シ折返シテ皿狀ノ突線立ヲ形成シ漏過筒(3)ノ端板互ニ嵌入口ヲ開穿シ其ノ口線互ノ内方ニ折曲シ之ニ突線立ヲ着脱自在ニ嵌合セシメタル防毒「マスク」ノ構造

(特許用語)

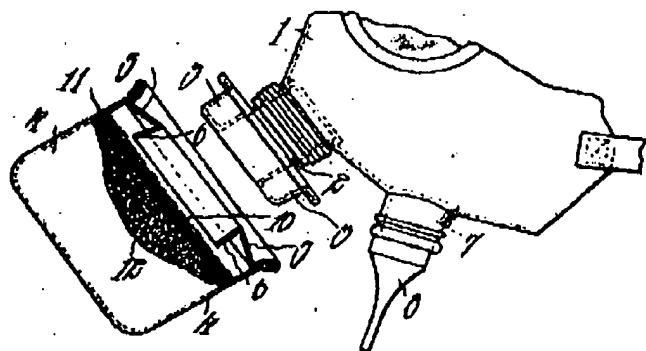
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圖一 第



圖二 第



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